

Bhavan's Tripura Vidyamandir2nd Terminal Examination : (2024-2025)**Class: - 7**

Time: - 3 Hours

Subject:- Science

Total :- 80 Marks

Name of the student:

Roll Sec.

All questions are compulsory**All the questions from Q1 to Q5 will carry 1 mark each****Q1. Tick the correct one of the following****1X4 =4**

A. Mature ovary forms the

(i) Seed (ii) Stamen (iii) Pistil (iv) Fruit

B. In plant water is transported through

(i) Xylem (ii) Phloem (iii) Stomata (iv) Root hair

C. Micro-organisms act upon the dead plants and animals to produce

(i) Mushroom (ii) Humus (iii) Wood (iv) Sound

D. Acids are not

(i) Souring taste (ii) Soluble in water(iii) Reactive towards the base (iv) Bitter taste**Q2. Answer the questions in very short****1X4= 4**

A. What is MCB?

B. Define Sludge

C. What makes the blood looks red

D. Name the bacteria which causes cholera from waste water

Q3 Fill in the blanks with suitable words**1X4=4**

A. Waste water released by houses is called.....

B. Herbs form----- layer in the forest

C. An image that cannot be obtained on a screen.....

D. The main excretory product of human being is -----

Q4. Write true or false of the followings**1X4=4**

A. An Electro magnet does not attract a piece of iron.

B. land breeze blows during night time.

C. Nitric acid turns red litmus blue.

D. Tooth decay is caused by the presence of a base.

Q5. Read the following paragraph and answer the following questions as instructed

Seed and fruits of plants are carried away by wind, water and animals. Winged seeds such as those of Sal tree, Drum Stick, maple and light seeds of grasses or hairy seeds of oak (Madar) and hairy fruits of sunflowers get blown off with the winds to faraway places. Some seeds are dispersed by water. These fruits or seeds easily develop floating ability in the form of spongy or fibrous outer coat as in coconut.

(i) Name two winged seed**1+1+2=4**(ii) What is Madar(iii) What helps coconut to float in water**Questions from 6 to 14 will carry 2 marks each****2X9=18****Q6.** Name the type of carbohydrate that can be digested by the ruminants but not by humans, give the reason**Q7.** If you pour boiling water in a container made of glass, it cracks, justify**Q8.** Pickles are never stored in a metal container, why

Q9. State two differences between convex and concave mirror

Q10. Explain why there is no waste in a forest

Q11. Mention two benefits of seed dispersal

Q12. What will happen if oxygenated blood and de oxygenated blood get mixed?

Q13. Draw digestive system of ruminants with labelling

Q14. Why should oil and fat not be released in the drain, explain.

Q15 to 23 will carry 3 marks each

3X9=27

Q15. (i) Draw the symbol of bulb and electric cell.

(ii) Do you think an electro magnet can be used for separating plastic bags from garbage heap, explain (0.5+ 0.5+2)

Q16. What are decomposers? Name any two of them. What do they do in the forest? (1+0.5+0.5+1)

Q17. Draw a diagram of human excretory system and label the various parts.

Q18. State three characteristics of image formed by a plain mirror

Q19. What is sewage? Explain why it is harmful to discharge untreated sewage in river or pond

Q20. Draw an open circuit and closed circuit with labelling

Q21. (i) **Match the column 1 with column 2** (0.5X4=2)

Column 1	Column 2
1. stomata	a. Transport of food
2. xylem	b. Absorption of water
3. root hairs	c. Transport of water
4. phloem	d. Transpiration

(ii) Define convection

Q22. State three differences between a sexual and sexual reproduction

Q23. Explain the role of forest in maintain the balance between oxygen and carbon dioxide in the atmosphere

Q 24 to 26 will carry 5 marks each

5X3=15

Q24 Draw a clinical thermometer and write 3 precautions to handle its property (2+3)

Q25 (i) List three products we get from forest

(ii) Write one food chain in forest

(iii) Why should we conserve forest? (1.5+1.5+2)

Q26. (i) Name 2 chemicals to disinfect water

(ii) How one open drain harmful to human health

(iii) A man travelling in a train, threw an empty packet of food on the platform. Do you think this is a proper disposal method? Elaborate. (1+2+2)